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**TITLE : BEEFANDING CATALYST OF METHANOL**

**ABSTRACT :** PURPOSE: To obtain a titled catalyst having high activity at low temp. and long life whereby H<sub>2</sub> and CO are produced highly selectively by depositing at least one kind of noble metal on the alumina carrier previously covered with zinc oxide and/or chromium oxide.

**CONSTITUTION:** At least one kind of noble metal such as platinum and Pd is deposited on the alumina carrier previously covered with zinc oxide and/or chromium oxide. The amount of zinc oxide and/or chromium oxide covering the alumina carrier is preferably within the range of 0.05–50wt%. The deposited amount of at least one kind of noble metal such as platinum and Pd is preferably within the range of 0.01–10wt%. The catalyst obtained by said process is highly selective for the reaction wherein methanol is decomposed to the gas containing H<sub>2</sub> and CO, and is highly active and has extremely excellent durability.

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